Status of the Western Pacific/South China Sea RVSM Implementation Plan Task List [Items for the Bay of Bengal/South of the Himalayas implementation have been moved to a new Task List]

[Items for the Bay of Bengal/South of the Himalayas implementation have been moved to a new Task List]					
ID Description	Start	Finish	Resource Names	<u> </u>	
1 Identify Operational Need	10-4-00	18-1-02			
2 Agree operational concept for southeast Asia traffic flow	10-4-00	14-9-01	ATC/WG, RVSM Task Force		
3 Agree operational concept for Asia to Europe south of the Himalayas traffic flow	10-4-00	18-1-02	ATC/WG, RVSM Task Force		
1 Conduct Cost Benefits Analysis	10-4-00	04-5-01			
5 Conduct preliminary benefit cost analysis	10-4-00	01-9-00	APARMO		
6 Update preliminary benefit cost analysis	01-9-00	12 1 01	APARMO		
7 Finalize benefit cost analysis	01-9-00	04-5-01	APARMO		
8 Safety Assessment	10-4-00	30-9-02			
9 Review available summary data (non-compliant aircraft, aberrant aircraft etc)	10-4-00	01-1-02	SAM/WG, RVSM Task Force		
10 Examine history of height keeping errors related to ATC clearances and assess possible RVSM impact	10-4-00	01-1-02	SAM/WG, RVSM Task Force		
Confirm RVSM risk model assumptions/parameters are consistent with airspace where RVSM is to be applied	10-4-00	04-5-01	SAM/WG, RVSM Task Force		
12 Conduct simulations to predict occupancy after RVSM implementation	01-8-00	04-5-01	SAM/WG, RVSM Task Force		
Collect weather and turbulence data for analysis	10-4-00	31-8-02	SAM/WG, RVSM Task Force		
Provide monthly reports on large height deviations to APARMO	10-4-00	Ongoing	ATS Providers, Users		
Develop Policy and Procedures for investigation and identification of non-approved aircraft operating at RVSM FLs	01-8-00	04-5-01	SAM/WG, OPS/AIR/WG, ATC/WG, RVSM Task Force		
16 Examine the need to conduct a safety assessment of transition areas	01-8-00	18-1-02	SAM/WG, ATC/WG		
Examine the need to conduct a safety assessment in aircraft moving from exclusionary to non exclusionary airspace where RVSM is applied	01-8-00	12-1-01	SAM/WG, RVSM Task Force		
18 Recommend decision making aids to support safety assessment	01-8-00	14 9 01	SAM/WG, RVSM Task Force		
19 Supplement document containing detailed procedures and analyses used for safety assessment	01-1-01	14-9-01	SAM/WG, RVSM Task Force		
20 Determine the overall procedure to be followed by APARMO in requesting Mode C data from monitored flights	01-8-00	12-1-01	ICAO Regional Office, RVSM Task Force		
21 Prepare letter requesting establishment of process for obtaining Mode C data from ATS providers	01-8-00	12 1 01	ICAO Regional Office		
22 Feasibility Analysis	10-4-00	29-7-02			
23 Examine the operational factors and workload associated with implementation (except Hong Kong, China, Indonesia, Lao PDR and China)	10-4-00	18-1-02	ATC/WG, RVSM Task Force		
23a Examine the operational factors and workload associated with implementation	10-4-00	29-7-02	China; Hong Kong China; Indonesia; Lao PDR; Viet Nam		
24 Determination of Requirements (airborne & ground systems)	10-4-00	29-7-02			
25 Determine need for additional GMUs	01-8-00	04-5-01	SAM/WG, RVSM Task Force		
26 Evaluate the feasibility of NAMS as a ground-based height monitoring unit	10-4-00	12-1-01	JCAB		
27 States assess the impact of RVSM implementation on controller automation systems (e.g., equipment suffixes) and plan for upgrades/modified	10-4-00	18-1-02	States (except Hong Kong, China; Indonesia; Lao PDR; China)		
27a States assess the impact of RVSM implementation on controller automation systems (e.g., equipment suffixes) and plan for upgrades/modifica	10-4-00	29-7-02	China; Hong Kong China; Indonesia; Lao PDR; Viet Nam		
28 Aircraft & Operator Approval Requirements	10-4-00	31-10-02			
29 Promulgate the operational approval process	10-4-00	31-10-02	OPS/AIR/WG, RVSM Task Force		
30 Notify States when significant changes occur to RVSM documentation	10-4-00	31-10-02	OPS/AIR/WG, RVSM Task Force		
31 Perform Rulemaking (if required)	10-4-00	31-10-02			

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	[Items for the Bay of Bengal/South of the Himalayas implementation have been moved to a new Task List]					
ID	Description	Start	Finish	Resource Names		
32	Recommend State airspace regulatory documentation	10-4-00	21-2-02	States (except Hong Kong, China; Indonesia; Lao PDR; China)		
32a	Recommend State airspace regulatory documentation	10-4-00	31-10-02	China; Hong Kong China; Indonesia; Lao PDR; Viet Nam		
33	Perform Rulemaking (if required) - Phase II (Asia/Europe south of the Himalayas traffic flow)	10-4-00	27-11-03			
34	Recommend State airspace regulatory documentation	10-4-00	27-11-03	States		
35	Perform Necessary Industry & International Co-ordination - Phase II	10-4-00	21-10-02			
35a	Develop transition plan for APARMO Responsibilities	14-9-01	21-10-02	APARMO, AEROTHAI		
36	Establish target implementation date	10-4-00	01-9-00	RVSM Task Force		
37	Develop a regional RVSM informational campaign	10-4-00	21-2-02	OPS/AIR/WG, RVSM Task Force		
38	Distribute operational approval ehecklist and references	10-4-00	14-4-00	OPS/AIR/WG, RVSM Task Force		
39	Report to ATS/AIS/SAR/SG	17-6-02	21-6-02	RVSM Task Force Chair		
40	Process Doc 7030 amendment	10-4-00	14-1-02	ICAO Regional Office		
40a	Provide benefit-cost assessment for Doc 7030 amendment	04-5-01	14-9-01	SAM/WG, APARMO		
41	Develop regional RVSM Guidance Material	10-4-00	25 6 00	RVSM Task Force		
42	Provide comments on draft regional RVSM Guidance Material	10-4-00	30-5-00	ATC/WG, OPS/AIR/WG, SAM/WG		
43	Publish regional RVSM Guidance Material	15-10-00	30-11-00	ICAO Regional Office		
44	Publish advance AIC	28-8-00	18-5-01	States States		
44a	Publish advance AIC	10-1-00	16 5 02	Hong Kong, China; Indonesia; Lao PDR; China		
44b	Distribute draft copy of the AIP Supplement to WG members for comment	04-5-01	01-7-01	ATC/WG, OPS/AIR/WG		
44e	Distribute final copy of the AIP Supplement to WG members for use in developing State AIP Supplements	01-7-01	01-8-01	ATC/WG, OPS/AIR/WG		
45	Publish AIP Supplement containing RVSM policy/procedures	08-1-01	04-10-01	States (except Hong Kong, China; Indonesia; Lao PDR; China)		
45a	Publish AIP Supplement containing RVSM policy/procedures	08-1-01	10-7-02	China; Hong Kong China; Indonesia; Lao PDR; Viet Nam		
46	Review inter-facility coordination procedures	04-5-01	30-11-01	States (except Hong Kong, China; Indonesia; Lao PDR; China)		
46a	Review inter-facility coordination procedures	04-5-01	30-9-02	China; Hong Kong China; Indonesia; Lao PDR; Viet Nam		
46a	Provide guidelines on the areas that should be included in Letters of Agreement to facilitate introduction of RVSM	12-1-01	14 9 01	ICAO Regional Office		
47	Finalize changes to Letters of Agreement	04-5-01	21-1-02	States (except Cambodia; Hong Kong, China; Indonesia; Lao PDR; China)		
47a	Finalize changes to Letters of Agreement	04-5-01	30-9-02	China; Hong Kong China; Indonesia; Lao PDR; Viet Nam		
47b	Finalize changes to Letters of Agreement	10-1-02	15-2-02	Cambodia		
47c	Publish Trigger NOTAM	11 2 02	11-2-02	States implementing on 21 Feb 02		
47d	Publish Trigger NOTAM	21-10-02	21-10-02	States implementing on 31 Oct 02		
48	Perform Necessary Industry & International Co-ordination - Phase II	10-4-00	27-11-03			
49	Establish target implementation date	10-4-00	12-1-01	RVSM Task Force		
50	Report to ATS/AIS/SAR/SG	17-6-02	21-6-03	RVSM Task Force Chair		
51	Process Doc 7030 amendment	10-4-00	27-11-03	ICAO Regional Office		

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ID	Description	Start	Finish	Resource Names	
52	Publish advance AIC for Phase II	28-8-00	01-11-02	States implementing on 27 Nov 03	
53	Publish AIP Supplement containing RVSM policy/procedures	08-1-01	27-5-03	States implementing on 27 Nov 03	
54	Review inter-facility coordination procedures	22-2-02	31-10-03	States implementing on 27 Nov 03	
55	Finalize changes to Letters of Agreement	22-2-02	31-10-03	States implementing on 27 Nov 03	
55a	Publish Trigger NOTAM	17-11-03	17-11-03	States implementing on 27 Nov 03	
56	Approval of Aircraft & Operators	10-4-00	18-1-02		
57	Establish approved operations readiness targets	10-4-00	14-9-01	IATA, ATC/WG, RVSM Task Force	
58	Assess readiness	01-12-01	18-1-02	IATA, OPS/AIR/WG	
59	Approval of Aircraft & Operators - Phase II	10-4-00	27-9-03		
60	Establish approved operations readiness targets	10-4-00	31-3-03	IATA, ATC/WG, RVSM Task Force	
61	Assess readiness	01-12-01	27-9-03	IATA, OPS/AIR/WG	
62	Develop Pilot & ATC Procedures	10-4-00	07-6-02		
63	Develop procedures for handling non-compliant aircraft (inc ferry & mntce) in ATS documentation	01-9-00	06 9 01	ATC/WG	
64	Promulgate Procedures for Aircraft Found to be Non Compliant through GMS Monitoring	10-4-00	04-5-01	OPS/AIR/WG, RVSM Task Force	
64a	Publish Procedures for aircraft found to be non-compliant through GMS monitoring on the RVSM website	04-5-01	15-10-01	APARMO	
65	Review application of tactical offset procedure to mitigate the effects of wake turbulence and TCAS alerts	01-1-01	18-1-02	ATC/WG, OPS/AIR/WG, RVSM Task Force	
66	Revise wake turbulence offset procedures to apply to multiple TCAS traffic alerts	10-4-00	01-9-00	OPS/AIR/WG, RVSM Task Force	
67	Review weather and contingency procedures for applicability under RVSM	10-4-00	31-12-01	OPS/AIR/WG, ICAO Regional Office	
68	Consider the need to develop weather contingency procedures (typhoons, etc) for addition to the Guidance Material	08-1-01	31-12-01	ICAO Regional Office, RVSM Task Force	
68a	Review the standard phraseology developed in the EUR Region and consider its applicability for Asia/Pacific	30 4 01	14 9 01	RVSM TF Chairperson, ATC/WG	
68b	Coordinate with the FANS Interoperability Teams to ensure that phraseology is contained in CPDLC message sets	14-9-01	31-12-02	OPS/AIR/WG Chair	
68c	Publish RVSM phraseology in regional RVSM guidance material	18-1-02	30-6-02	ICAO Regional Office	
69	Process Doc 7030 amendment to weather and contingency procedures	10-4-00	31-10-02	ICAO Regional Office	
69a	Review draft Random Strategic Lateral Offset Procedures developed for NAT and develop procedures as required	04-5-01	14 9 01	OPS/AIR/WG, ATC/WG	
70	Consider establishment of regional RVSM website for dissemination of RVSM information	10-4-00	31-5-02	ICAO Regional Office	
70a	Establish a separate section on the RVSM website for the Western Pacific/South China Sea and publish appropriate documentation	04-5-01	21-2-02	United States	
70b	Include on the ICAO Asia Pacific Office website a link to the FAA RVSM website	18-1-02	31-5-02		
71	Publish appropriate ATC policy & procedures on Western Pacific/South China Sea RVSM website	10-4-00	21-2-02	ATC/WG Chair	
72	Identify transition areas and procedures	28-8-00	06 9 01	States (except Hong Kong, China and China), ATC/WG	
72a	Identify transition areas and procedures	28-8-00	29-7-02	China; Hong Kong China; Indonesia; Lao PDR; Viet Nam	
73	Conduct simulations States implementing on 21 Feb 02	28 8 00	18 1 02	States (except Hong Kong, China; Indonesia; Lao PDR; China), ATC/WG	
73a	Conduct simulations - States implementing on 31 October 02	28-8-00	23-9-02	China; Hong Kong China; Indonesia; Lao PDR; Viet Nam	
74	Report on simulation activity	28-8-00	18-1-02	States (except Hong Kong, China; Indonesia; Lao PDR; China)	

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ID	Description	Start	Finish	Resource Names			
74a	Report on simulation activity	28-8-00	23-9-02	China; Hong Kong China; Indonesia; Lao PDR; Viet Nam			
75	Continue to recommend that RVSM operators adopt TCAS V.7	10-4-00	31-10-02	OPS/AIR/WG, RVSM Task Force			
76	Establish procedures for non approved acft to transit RVSM airspace	10-4-00	06-9-01	OPS/AIR/WG, ATC/WG, RVSM Task Force			
77	Develop mutually acceptable ATC procedures for non-approved State acft to transit RVSM airspace	01-9-00	06-9-01	ATC/WG, RVSM Task Force			
78	Consider procedures for suspension of RVSM	28-8-00	06-9-01	ATC/WG, RVSM Task Force			
79	Liaise with State defense authorities regarding "due regard" military operations	12-1-01	18-1-02	States			
79b	Liaise with State defense authorities regarding "due regard" military operations	12-1-01	01-10-02	China; Hong Kong China; Indonesia; Lao PDR; Viet Nam			
79a	Coordinate with Aeronautical Chart providers to establish a review process for significant chart revisions prior to publication	17-4-00	25-6-01	OPS/AIR/WG Chair			
80	Develop Pilot & ATC Procedures - Phase II	10-4-00	27-11-03				
81	Review application of tactical offset procedure to mitigate the effects of wake turbulence and TCAS alerts	01-1-01	TBD	ATC/WG, OPS/AIR/WG, RVSM Task Force			
82	Review weather and contingency procedures for applicability under RVSM	10-4-00	TBD	OPS/AIR/WG, ATC/WG, RVSM Task Force			
83	Publish appropriate ATC policy & procedures on RVSM website	10-4-00	Ongoing	RVSM Task Force			
84	Identify transition areas and procedures	28-8-00	27-11-02	States, ATC/WG			
85	Conduct simulations	28-8-00	30-6-03	States, ATC/WG			
86	Report on simulation activity	28-8-00	30-9-03	ATC/WG, RVSM Task Force			
87	Continue to recommend that RVSM operators adopt TCAS V.7	10-4-00	Ongoing	OPS/AIR/WG, RVSM Task Force			
88	Develop procedures for handling non-compliant aircraft (inc ferry & mntce) in ATS documentation	10-4-00	03-6-02	OPS/AIR/WG, ATC/WG, RVSM Task Force			
89	Develop mutually acceptable ATC procedures for non-approved State acft to transit RVSM airspace	01-9-00	03-6-02	ATC/WG, RVSM Task Force			
90	Consider procedures for suspension of RVSM	28-8-00	27-11-02	ATC/WG, RVSM Task Force			
91	Liaise with State defense authorities regarding "due regard" military operations	12-1-01	TBD	States			
92	Pilot & ATC Training	10-4-00	31-10-02				
93	Provide ATC training documentation to States based on past experience	01-9-00	27 4 01	ICAO, RVSM Task Force Chairperson			
94	Update the pilot training package for TCAS to include TCAS Chg 7	10-4-00	12-1-01	OPS/AIR/WG, RVSM Task Force			
95	-Conduct local RVSM training for air traffic controllers	01-8-01	21-2-02	States (except Hong Kong, China; Indonesia; Lao PDR; China)			
95a	Conduct local RVSM training for air traffic controllers - States implementing on 31 October 02	01-8-01	31-10-02	China; Hong Kong China; Indonesia; Lao PDR; Viet Nam			
96	Pilot & ATC Training - Phase II	10-4-00	27-11-03				
97	Provide ATC training documentation to States based on past experience	01-9-00	Ongoing	ICAO, RVSM Task Force Chairperson			
98	Conduct local RVSM training for air traffic controllers	01-8-01	27-11-03	States, ATC/WG			
99	Perform System Verificiation	10-4-00	31-10-02				
100	Height keeping performance monitoring needed to undertake initial safety analysis	31-8-00	31-8-01	APARMO and SAM/WG, RVSM Task Force			
101	Provide representative traffic movement data to APARMO	10-4-00		States			
101a	Provide representative traffic movement data to APARMO	15-11-01		States			
102	Undertake initial safety analysis	10-4-00	14-9-01	SAM/WG, RVSM Task Force			

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	[Items for the Bay of Bengal/South of the Himalayas implementation have			
1D 103	Description	Start	Finish 12-1-01	Resource Names OPS/AIR/WG, SAM/WG, RVSM Task Force
	Establish program for collection of large height deviations			
104	Review reports of large height deviations	08-1-01		OPS/AIR/WG, SAM/WG
	Perform System Verificiation - Phase II	10-4-00	27-11-03	ADADMO LCAMAYO DYOM TI- F
106	Height keeping performance monitoring needed to undertake initial safety analysis	31-8-00		APARMO and SAM/WG, RVSM Task Force
107	Provide representative traffic movement data to APARMO	10-4-00		States
108	Undertake initial safety analysis	10-4-00		SAM/WG, RVSM Task Force
	Prepare/maintain regional status report detailing RVSM implementation plans	10-4-00		RVSM Task Force
110	Final Implementation Decision	01-12-01	01-10-02	RVSM Task Force
111	Review aircraft altitude-keeping performance and operational errors	10-4-00	01-10-02	SAM/WG, OPS/AIR/WG
112	ATS State documentation complete	10-4-00	18-1-02	States (except Hong Kong, China; Indonesia; Lao PDR; China)
112a	ATS State documentation complete	10-4-00	30-9-02	China; Hong Kong China; Indonesia; Lao PDR; Viet Nam
113	Publish Implementation Decision NOTAM/AIP-Supplement	01-12-01	22-10-01	States
114	Complete readiness assessment for 21 Feb 02 implementation	01-12-01	18-1-02	APARMO
114a	Complete readiness assessment for 31 Oct 02 implementation	18-1-02	01-10-02	APARMO
115	Complete safety analysis for 21 Feb 02 implementation	01-12-01	18-1-02	APARMO
115a	Complete safety analysis for 31 Oct 02 implementation	18-1-02	01-10-02	APARMO
116	Final Implementation Decision - Phase II	01-12-01	27-11-03	RVSM Task Force
117	Review aircraft altitude-keeping performance and operational errors	10-4-00	Ongoing	SAM/WG, OPS/AIR/WG
118	ATS State documentation complete	10-4-00	27-9-03	States
119	Publish Implementation Decision NOTAM/AIP Supplement	01-12-01	27-8-03	States
120	Complete readiness assessment	01-12-01	27-10-03	APARMO
121	Complete safety analysis	01-12-01	27-10-03	RVSM Task Force
122	Declare Initial Operational Capability	21-2-02	21-2-02	All Implementing States
122a	Declare Initial Operational Capability	31-10-02	31-10-02	Hong Kong, China; Indonesia; Lao PDR; China
123	Set Southeast Asia post implementation Follow Up Meeting	14-1-02		RVSM Task Force
	Declare Initial Operational Capability - Phase II	27-11-03	27-11-03	APARMO and SAM/WG, RVSM Task Force
125	Set Asia/Europe south of the Himalayas post-implementation Follow Up Meeting	27-9-03		RVSM Task Force
	Monitor System Performance	21-2-02	21-2-03	
127	Perform Follow-On Monitoring	21-2-02		OPS/AIR/WG, SAM/WG
127a	Report large height deviations to APARMO	21-2-02		ATS Providers, Users
	Monitor System Performance - Phase II	27-11-03	27-11-04	Tronders, Oscia
129	Perform Follow-On Monitoring	27-11-03		OPS/AIR/WG, SAM/WG
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130	Declare Full Operational Capability	31-10-03	31-10-03	RVSM Task Force

Status of the Western Pacific/South China Sea RVSM Implementation Plan Task List [Items for the Bay of Bengal/South of the Himalayas implementation have been moved to a new Task List]

ID	Description	Start	Finish	Resource Names
131	Declare Full Operational Capability - Phase II	27-11-04	27-11-04	RVSM Task Force
132	APANPIRG ATS/AIS/SAR/SG (Bangkok)	26-6-00	30-6-00	RVSM Task Force Chair
133	Task Force/8 (Location TBD) - Asia Focus	28-8-00	01-9-00	RVSM Task Force
134	APANPIRG CNS/ATM/IC/SG (Singapore)	21-8-00	26 8 00	
135	APANPIRG/11 (Bangkok)	02-10-00	06-10-00	
136	Task Force/9 (Bangkok) Asia Focus	08-1-01	12 1 01	RVSM Task Force
137	ICAO MID RVSM Seminar/1 (Dubai)	07-4-01	09-4-01	ICAO MID RVSM Task Force
138	ICAO MID RVSM Task Force/2 (Dubai)	10-4-01	11-4-01	ICAO MID RVSM Task Force
139	RVSM Seminar/4 (Kuala Lumpur) - Asia/Middle East Focus	25-4-01	27-4-01	RVSM Task Force
140	Task Force/11 (Kuala Lumpur) Asia Focus	30-4-01	04-5-01	RVSM Task Force
141	APANPIRG ATS/AIS/SAR/SG (Bangkok)	25-6-01	29 6 01	RVSM Task Force
142	APANPIRG CNS/ATM/IC/SG (Bangkok)	30-7-01	03-8-01	RVSM Task Force
143	Task Force/12 (Denpasar) - Asia Focus	10-9-01	14-9-01	RVSM Task Force
144	APANPIRG/12 (Bangkok)	20-8-01	24-8-01	RVSM Task Force
145	South China Sea ATS Route Restructure Implementation	01-11-01	01-11-01	States
146	Task Force/13 (Singapore) - Asia Focus	14-1-02	18-1-02	RVSM Task Force
147	Task Force/14 (Bangkok) – 90 Day Western Pacific/South China Sea Follow-up	30-5-02	31-5-02	RVSM Task Force
148	Task Force/15 (Bangkok) - Bay of Bengal/South of the Himalayas Focus	03-6-02	07-6-02	RVSM Task Force
149	Special ATS Coordination Meeting (Manila) - Western Pacific/South China Sea Focus	29-7-02	31-7-02	RVSM Task Force
150	Joint Meeting with MID East RVSM Task Force (TBD)	21-8-02	23-8-02	RVSM Task Force
151	Task Force/16 (Bangkok) - Western Pacific/South China Sea Focus	23-9-02	25-9-02	RVSM Task Force
152	Task Force/17 - Bay of Bengal/South of Himalayas Focus (TBD)			RVSM Task Force
153	RVSM Seminar/5 (TBD)			RVSM Task Force
154	Task Force/18 - 90 day and 1 Year Western Pacific/South China Sea Follow-Up (TBD)			RVSM Task Force
155	Task Force/19 - Bay of Bengal/South of the Himalayas Focus (TBD)			RVSM Task Force
156	Task Force/20 - Bay of Bengal/South of the Himalayas Focus (TBD)			RVSM Task Force
157	Task Force/21 - Bay of Bengal/South of Himalayas Focus(TBD)			RVSM Task Force
158	Task Force/22 - 90 day Bay of Bengal/South of Himalayas Follow Up (TBD)			RVSM Task Force
159	Task Force/23 - 1 Year Bay of Bengal/South of Himalayas Follow Up (TBD)			RVSM Task Force